

## INFORMAL SEQUENCE LISTING

### NOVEL PROTEINS

SEQ ID NO:1

(cDNA Sequence of PN7740)

CGAGAATTTCCAGCAGGCAAGGCAGTGGCCGCTTTGACTGCTTGCTTCGGAGATCCGAG  
ACGACGGAGAAGGCACTCTTATTTACCGACCAAGAAAGCTCCTCCCCCGTCCTCCGTTA  
GCTAATTAAAACATTTTTTCAGGGACGTAGCCATCCAGAGACATTCCATTATTGTTCCAT  
TGACCTTTCCCTCATCACTGAGTCCTTTGGAGCTGAGTT**ATGT**CAACAGCTGCCTTAAT  
TACTTTGGTCAGAAGTGGTGGGAACCAGGTGAGAAGGAGAGTGCTGCTAAGCTCCCGCC  
TGCTGCAGGACGACAGGCGGGTGACACCCACGTGCCACAGCTCCACTTCAGAGCCTAGG  
TGTTCTCGGTTTGACCCAGATGGTAGTGGGAGTCCAGCTACCTGGGACAATTTTGGGAT  
CTGGGATAACCGCATTGATGAGCCAATTCTGCTGCCACCCAGCATTAAGTATGGCAAGC  
CAATTCCCAAATCAGCTTGGAATATGTGGGGTGCGCCTCACAGATTGGCAAACGGAAA  
GAGAATGAAGATCGGTTTGACTTCGCTCAGCTGACAGATGAGGTCCTGTACTTTGCAGT  
GTATGATGGACACGGTGGACCTGCAGCAGCTGATTTCTGTCATACCCACATGGAGAAAT  
GTATTATGGATTTGCTTCCTAAGGAGAAGAACTTGGAACCTCTGTTGACCTTGGCTTTT  
CTAGAAATAGATAAAGCCTTTTTCGAGTCATGCCCGCCTGTCTGCTGATGCAACTCTTCT  
GACCTCTGGGACTACTGCAACAGTAGCCCTATTGCGAGATGGTATTGAACTGGTTGTAG  
CCAGTGTTGGGGACAGCCGGGCTATTTTGTGTAGAAAAGGAAAACCCATGAAGCTGACC  
ATTGACCATACTCCAGAAAGAAAAGATGAAAAAGAAAGGATCAAGAAATGTGGTGGTTT  
TGTAAGCTTGGAATAGTTTGGGGCAGCCTCACGTAAATGGCAGGCTTGCAATGACAAGAA  
GTATTGGAGATTGACCTTAAGACCAGTGGTGTATAGCAGAACCTGAAACTAAGAGG  
ATTAAGTTACATCATGCTGATGACAGCTTCCTGGTCTCACCACAGATGGAATTAAGTT  
CATGGTGAATAGTCAAGAGATTTGTGACTTTGTCAATCAGTGCCATGATCCCAACGAAG  
CAGCCCATGCGGTGACTGAACAGGCAATACAGTACGGTACTGAGGATAACAGTACTGCA  
GTAGTAGTGCCTTTTGGTGCCTGGGGAAAATATAAGAACTCTGAAATCAACTTCTCATT  
CAGCAGAAGCTTTGCCTCCAGTGGACGATGGGCC**TGAT**TACCAGCTGGGACTTAGAGTT  
TCTGTGCAACAGTTTTTCACTGAGCATGTCAAGAAACTGATAAGATCAAAAAGGTCTCC  
TAACTCACTAGATCAGCGCACAAAGTCAGTGTAAACCACTTAGATAGTAGTTTTTTTCATA  
AATGCTCATCATATTTATGTTCCGCTGTACATGTTTCAATATAAATATATGTGTAGTGAA  
GCTACTGTGAGTCTTTAAATGGAAAGAGCAAATGAGAAGTGGTTTGGATACACTTGATG  
AGAGATGAGAGTGTCACATTAATAATTTTTTAAGACTCTTAGGCAGCTATGGGTTTCTTT  
TGATCATTTTTTGTCTTTTATTCAATTTGAACACGTTTTTTGAAGTTCTTCAAACTAGTCA  
GTTTGAATTTTGACAGCTATTCAATATGTGATCTCCAAGTTTAAAAAATTTTTTTCCA  
GACTTCCCTAATCCTAAAATGCGAGTTTTTTATTTTTTAATAACTGTACCAAGGAATAAGT  
ATGAAAACAGTTCTCTGTTACCATATTTTGTATTCTGGACCACTTACTGGTGAAAGCAA  
CCATGCAAAAGAAATTAATTTGGCCAGGCACAGTGGCTCATGCCTGTAATCCCAAATTG  
CTGGGATTACAGCACTGTGCCCTCCTAGGAAATTATTTTTTAAGTGAATTTTATTTTTT  
ATTTTTTTTAGGATTTTGGTAGAGAATGAGTAGGCCTACTCATCAATATCAAACAGGAC  
ATTTAGTTTCTTTCCTTAGAACAGACATAAATTTAATTTTCATGGTAATATGATAATAAG  
AAAATGCTTCTATTTTTCTTTAGCACCTCCATGGTTCTCATATACCCATGTCTGTAAAA  
AGTGACATGAGAATTTTGTGGGTTACATTTTATTGTATTTATTAGATTGCTTATATA  
GATGACTTAGGCAGAAATAAAGTCATGTCTTTAGAAGGTGAACAAGCCAAGTTGTGATG

GCCTGCCTTTTGGCTTTTGGCAGTTGGGATGAGAACAATTGACTCTCCCATTTGGTTGTTA  
GATAGTTGAAATGGTGCCTTGGTGGTCATACTTAGTGTTCTAGGCTGTGAAATCATGGA  
GTTCTTCCACTTCCAAGAATGACTCATTGCTGTTGGATTCTAGTACAGAATTTAGCAG  
CCTGATGTGTCCCCAACTGATTTAATTTCTACTGAAGTGCCCTTGTGTACATTTGTTT  
TGTAATTTACCAAAGTACTACCTGAGTGTATAATGACTCCTGCAGTGAGTTAATGTAAT  
TGCTGCTTTGACCATTGTTTTAAATCTGTGTACTAGAGTAACTGTGAGCAGAATGAAAT  
CACATTATCTCAGTGTTCAAAATATCATTCTAATAAAGTACATGCATTAAACAATTTTA  
AAAAAAACAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO:2  
(Amino Acid Sequence of PN7740)

MSTAALITLVRSGGNQVRRRVLLSSRLLQDDRRVTPPTCHSSTSEPRCSRFPDPSGSPA  
TWDNFGIWDNRIDEPIILLPPSIKYGKPIPKISLENVGCASQIGKRKENEDRFDFAQLTD  
EVLYFAVYDGHGGPAAADFCHTHMEKCIDLLPKEKNLETLLTLAFLEIDKAFSSSHARL  
SADATLLTSGTTATVALLRDGIELVVASVGDSRAILCRKGKPMKLTIDHTPERKDEKER  
IKKCGGFVAVNSLGQPHVNGRLAMTRSIGDLDLKTSGVIAEPETKRIKLHHADDSFLVL  
TTDGINFMVNSQEICDFVNQCHDPNEAAHAVTEQAIQYGTEDNSTAVVVPFGAWGKYKN  
SEINFSFSRSFASSGRWA

**Antisense Oligonucleotides Directed Against:**

**BAT3**

SEQ ID NO:3      5' -ttaggctccatggccgacag-3'  
SEQ ID NO:4      5' -aggctccatggccgacaggt-3'  
SEQ ID NO:5      5' -gctccatggccgacaggtct-3'

**GLYP**

SEQ ID NO:6      5' -cggagctccatggcggggcc-3'  
SEQ ID NO:7      5' -gagctccatggcggggccgg-3'  
SEQ ID NO:8      5' -gctccatggcggggccggcg-3'

**LRP2**

SEQ ID NO:9      5' -ccgcgatccatctccgcgac-3'  
SEQ ID NO:10      5' -gcgatccatctccgcgacgg-3'  
SEQ ID NO:11      5' -gatccatctccgcgacggtc-3'

**LRPAP1**

SEQ ID NO:12 5'-cgcggcgccatcatcccccg-3'  
SEQ ID NO:13 5'-cggcgccatcatcccccgct-3'  
SEQ ID NO:14 5'-gcgccatcatcccccgctca-3'

**TTR**

SEQ ID NO:15 5'-tgagaagccatcctgccaag-3'  
SEQ ID NO:16 5'-agaagccatcctgccaagaa-3'  
SEQ ID NO:17 5'-aagccatcctgccaagaatg-3'

**APBB1 (710)**

SEQ ID NO:18 5'-ggaacagacatggccttggc-3'  
SEQ ID NO:19 5'-aacagacatggccttggcag-3'  
SEQ ID NO:20 5'-cagacatggccttggcagct-3'

**PN7740**

SEQ ID NO:21 5'-gctgttgacataactcagct-3'  
SEQ ID NO:22 5'-tgttgacataactcagctcc-3'  
SEQ ID NO:23 5'-ttgacataactcagctccaa-3'

**APBA1**

SEQ ID NO:24 5'-aagtgggttcatggtgggagtg-3'  
SEQ ID NO:25 5'-gtgggttcatggtgggagtcg-3'  
SEQ ID NO:26 5'-gggttcatggtgggagtcgga-3'

**GLUL**

SEQ ID NO:27 5'-gaggtgggtcatggtggaagg-3'  
SEQ ID NO:28 5'-ggtgggtcatggtggaaggtg-3'  
SEQ ID NO:29 5'-tggtcatggtggaaggtgtt-3'

**KIAA0427**

SEQ ID NO:30 5'-gagttttccatccctccagc-3'  
SEQ ID NO:31 5'-gttttccatccctccagctc-3'  
SEQ ID NO:32 5'-tttccatccctccagctcag-3'

**PS1(467)**

SEQ ID NO:33 5'-aactctgtcattggagcaac-3'  
SEQ ID NO:34 5'-ctctgtcattggagcaactg-3'  
SEQ ID NO:35 5'-ctgtcattggagcaactgta-3'

**CASK**

SEQ ID NO:36 5'-tcgtcggccatggtccggag-3'  
SEQ ID NO:37 5'-gtcggccatggtccggaggg-3'  
SEQ ID NO:38 5'-cggccatggtccggagggga-3'

**DMD(3685)**

SEQ ID NO:39 5'-caccaaagcattttgaaaag-3'  
SEQ ID NO:40 5'-ccaaagcattttgaaaagtg-3'  
SEQ ID NO:41 5'-aaagcattttgaaaagtgta-3'

**CIB**

SEQ ID NO:42 5'-gagccccccatcgccccgcc-3'

SEQ ID NO:43 5'-gccccccatcgccccgccgc-3'

SEQ ID NO:44 5'-cccccatcgccccgccgcgc-3'

**S1P**

SEQ ID NO:45 5'-acaagcttcatggtcacaag-3'

SEQ ID NO:46 5'-aagcttcatggtcacaagcg-3'

SEQ ID NO:47 5'-gcttcatggtcacaagcgaa-3'

**APBA2**

SEQ ID NO:48 5'-cggtgggcatggcagtcgt-3'

SEQ ID NO:49 5'-gtgggcatggcagtcgttc-3'

SEQ ID NO:50 5'-gggcatggcagtcgttcac-3'

**PGAD**

SEQ ID NO:51 5'-gcaaaagccattgctggagt-3'

SEQ ID NO:52 5'-aaaagccattgctggagttg-3'

SEQ ID NO:53 5'-aagccattgctggagttggc-3'

**ETFB**

SEQ ID NO:54 5'-agctccgccatcttcccgcc-3'

SEQ ID NO:55 5'-ctccgccatcttcccgccgc-3'

SEQ ID NO:56 5'-ccgccatcttcccgccgcag-3'

**GAPD**

SEQ ID NO:57 5'-accttccccatggtgtctga-3'

SEQ ID NO:58 5'-cttccccatggtgtctgagc-3'

SEQ ID NO:59 5'-tccccatggtgtctgagcga-3'

**PS2 (448)**

SEQ ID NO:60 5'-aatgtgagcatagccctgcc-3'

SEQ ID NO:61 5'-tgtgagcatagccctgcctc-3'

SEQ ID NO:62 5'-tgagcatagccctgcctctg-3'

**ATPMB**

SEQ ID NO:63 5'-aatgaagtcatttttaaccc-3'

SEQ ID NO:64 5'-tgaagtcatttttaaccctt-3'

SEQ ID NO:65 5'-aagtcatttttaacccttat-3'

**GASP**

SEQ ID NO:66 5'-gccccagtcatggtacaagt-3'

SEQ ID NO:67 5'-cccagtcatggtacaagtta-3'

SEQ ID NO:68 5'-cagtcatggtacaagttaca-3'

**PI4K**

SEQ ID NO:69 5'-atctcccgcataactacag-3'

SEQ ID NO:70 5'-ctcccgcataactacaggt-3'

SEQ ID NO:71 5'-cccgcataactacaggtac-3'

**5HT-2A**

SEQ ID NO:72 5'-agaatatccatgtctaagcc-3'  
SEQ ID NO:73 5'-aatatccatgtctaagccag-3'  
SEQ ID NO:74 5'-tatccatgtctaagccagaa-3'

**KIAA0351**

SEQ ID NO:75 5'-ctcttgtagatagctctccag-3'  
SEQ ID NO:76 5'-cttgtagatagctctccaggc-3'  
SEQ ID NO:77 5'-tgtacatagctctccaggcca-3'

**TRIO(2861)**

SEQ ID NO:78 5'-atagctttcatttcacggtt-3'  
SEQ ID NO:79 5'-agctttcatttcacgtttt-3'  
SEQ ID NO:80 5'-ctttcatttcacgtttttt-3'

**MAP3K10**

SEQ ID NO:81 5'-tcctcctccatgggggaggg-3'  
SEQ ID NO:82 5'-ctcctccatgggggaggggc-3'  
SEQ ID NO:83 5'-cctccatgggggaggggccg-3'

**BAX-beta**

SEQ ID NO:84 5'-gaccggtccatcacgcgcg-3'  
SEQ ID NO:85 5'-cccgtccatcacgcgcgtc-3'  
SEQ ID NO:86 5'-cgtccatcacgcgcgtccc-3'

**KCNMA1**

SEQ ID NO:87 5'-ccatttgccatagctagcaa-3'

SEQ ID NO:88 5'-atttgccatagctagcaacg-3'

SEQ ID NO:89 5'-ttgccatagctagcaacggg-3'

**FAK2**

SEQ ID NO:90 5'-accccagacatcctctcagg-3'

SEQ ID NO:91 5'-cccagacatcctctcaggca-3'

SEQ ID NO:92 5'-cagacatcctctcaggcagc-3'

**ABCC8**

SEQ ID NO:93 5'-gccaggggcatggcggcgcg-3'

SEQ ID NO:94 5'-caggggcatggcggcgcggg-3'

SEQ ID NO:95 5'-ggggcatggcggcgcgggcg-3'

**PDE9A**

SEQ ID NO:96 5'-ccggatcccatcctgcgccc-3'

SEQ ID NO:97 5'-ggatcccatcctgcgcccgg-3'

SEQ ID NO:98 5'-atcccatcctgcgcccggcg-3'

**SCD**

SEQ ID NO:99 5'-tgggccggcatcttggtct-3'

SEQ ID NO:100 5'-ggccggcatcttggtctcc-3'

SEQ ID NO:101 5'-ccggcatcttggtctccga-3'



**RAB11A**

SEQ ID NO:102 5'-cgggtgcccattgcgcggcc-3'

SEQ ID NO:103 5'-ggtgcccattgcgcggccga-3'

SEQ ID NO:104 5'-tgcccattgcgcggccgagg-3'

**FAK**

SEQ ID NO:105 5'-gcagctgccattattttgct-3'

SEQ ID NO:106 5'-agctgccattattttgctag-3'

SEQ ID NO:107 5'-ctgccattattttgctagat-3'

**CSNK2A2**

SEQ ID NO:108 5'-gggccgggcatggcgggcgg-3'

SEQ ID NO:109 5'-gccgggcatggcgggcggga-3'

SEQ ID NO:110 5'-cgggcatggcgggcgggacc-3'

**GTM3**

SEQ ID NO:111 5'-atagacgactcgcacgacat-3'

SEQ ID NO:112 5'-tgtgcggaaatccattactt-3'

SEQ ID NO:113 5'-actgggccatcttggttggtg-3'

**BCR**

SEQ ID NO:114 5'-gggtccaccatggcgcggcc-3'

SEQ ID NO:115 5'-gtccaccatggcgcggccgg-3'

SEQ ID NO:116 5'-ccaccatggcgcggccggcc-3'

**PSD95**

SEQ ID NO:117 5'-agacagtccatggtgggggg-3'

SEQ ID NO:118 5'-acagtccatggtggggggcc-3'

SEQ ID NO:119 5'-agtccatggtggggggcctg-3'

**DLG3**

SEQ ID NO:120 5'-tgcttgatgcatggcactgcc-3'

SEQ ID NO:121 5'-cttgatgcatggcactgcccc-3'

SEQ ID NO:122 5'-tgtgcatggcactgcccccc-3'

**SEMA4C(821)**

SEQ ID NO:123 5'-tgtggggccatggcgacgc-3'

SEQ ID NO:124 5'-tgggggccatggcgacgccc-3'

SEQ ID NO:125 5'-ggggccatggcgacgccccg-3'

**HTF4**

SEQ ID NO:126 5'-tggggattcatcttcggcca-3'

SEQ ID NO:127 5'-gggattcatcttcggccact-3'

SEQ ID NO:128 5'-gattcatcttcggccacttc-3'

**SRCAP**

SEQ ID NO:129 5'-tccttgggccatggtggaagc-3'

SEQ ID NO:130 5'-cttgggccatggtggaagcaa-3'

SEQ ID NO:131 5'-tgggccatggtggaagcaatt-3'

**FKBP25**

SEQ ID NO:132 5'-gccgccgccatcttccggat-3'

SEQ ID NO:133 5'-cgccgccatcttccggattt-3'

SEQ ID NO:134 5'-ccgccatcttccggatttta-3'

**APP(695)**

SEQ ID NO:135 5'-ccgggcagcatcgcgaccct-3'

SEQ ID NO:136 5'-gggcagcatcgcgaccctgc-3'

SEQ ID NO:137 5'-gcagcatcgcgaccctgcgc-3'

**AP3D1**

SEQ ID NO:138 5'-ttgagggccatcgcggcggc-3'

SEQ ID NO:139 5'-gagggccatcgcggcggccc-3'

SEQ ID NO:140 5'-gggccatcgcggcggcccac-3'

**PTPZ**

SEQ ID NO:141 5'-aggattcgcatcttccagacg-3'

SEQ ID NO:142 5'-gattcgcatcttccagacggt-3'

SEQ ID NO:143 5'-ttcgcatcttccagacggtct-3'

**PGD-synt**

SEQ ID NO:144 5'-tgagtagccattctcctgca-3'

SEQ ID NO:145 5'-agtagccattctcctgcagc-3'

SEQ ID NO:146 5'-tagccattctcctgcagcag-3'

**ACHE (614)**

SEQ ID NO:147 5'-gggggcctcatggctgcagg-3'

SEQ ID NO:148 5'-gggcctcatggctgcagggc-3'

SEQ ID NO:149 5'-gcctcatggctgcagggcag-3'

**CAPN4**

SEQ ID NO:150 5'-accaggaacatggctgcgac-3'

SEQ ID NO:151 5'-caggaacatggctgcgactc-3'

SEQ ID NO:152 5'-ggaacatggctgcgactcac-3'

**KIAA0436**

SEQ ID NO:153 5'-aatgcatccatgttttctgg-3'

SEQ ID NO:154 5'-tgcacatccatgttttctggaa-3'

SEQ ID NO:155 5'-catccatgttttctggaagg-3'

**ALPEND**

SEQ ID NO:156 5'-ttctgggacatggcgggacc-3'

SEQ ID NO:157 5'-ctgggacatggcgggaccgg-3'

SEQ ID NO:158 5'-gggacatggcgggaccggga-3'

**GIPC**

SEQ ID NO:159 5'-cccagcggcatgagcagcga-3'

SEQ ID NO:160 5'-cagcggcatgagcagcgaga-3'

SEQ ID NO:161 5'-gcggcatgagcagcgagaag-3'

**CTNND2**

SEQ ID NO:162 5'-ggcggcttcctcgcaaaca-3'

SEQ ID NO:163 5'-attggcattttgagtgcac-3'

SEQ ID NO:164 5'-gccgggtagtggctcgtttc-3'

**CLTC**

SEQ ID NO:165 5'-atctgggccatggcgctgtc-3'

SEQ ID NO:166 5'-ctgggccatggcgctgtcgg-3'

SEQ ID NO:167 5'-gggccatggcgctgtcgggg-3'

**PKP2 (881)**

SEQ ID NO:168 5'-ggggctgccatggggccggt-3'

SEQ ID NO:169 5'-ggctgccatggggccggtgg-3'

SEQ ID NO:170 5'-ctgccatggggccggtgggg-3'

**14-3-3b-1**

SEQ ID NO:171 5'-tccattgtcattccctgact-3'

SEQ ID NO:172 5'-cattgtcattccctgactcc-3'

SEQ ID NO:173 5'-ttgtcattccctgactccaa-3'

**14-3-3z**

SEQ ID NO:174 5'-tttttatccatgactggatg-3'

SEQ ID NO:175 5'-tttatccatgactggatgtt-3'

SEQ ID NO:176 5'-tatccatgactggatgttct-3'

**EPS8**

SEQ ID NO:177 5'-tgaccattcattgtgtcttt-3'

SEQ ID NO:178 5'-accattcattgtgtctttca-3'

SEQ ID NO:179 5'-cattcattgtgtctttcact-3'

**SNCA(140)**

SEQ ID NO:180 5'-aatacatccatggctaata-3'

SEQ ID NO:181 5'-tacatccatggctaata-3'

SEQ ID NO:182 5'-catccatggctaata-3'

**ERAB**

SEQ ID NO:183 5'-ctccgacacgctgctgcat-3'

SEQ ID NO:184 5'-tgacccacgctggcctccc-3'

SEQ ID NO:185 5'-ctgcatacgaatggcccat-3'

**Bcl2-alpha**

SEQ ID NO:186 5'-gcgtgcgccatccttcccag-3'

SEQ ID NO:187 5'-gtgcgccatccttcccagag-3'

SEQ ID NO:188 5'-gcgccatccttcccagagga-3'

**ENOA**

SEQ ID NO:189 5'-agaatagacatggtgaactt-3'

SEQ ID NO:190 5'-aatagacatggtgaacttct-3'

SEQ ID NO:191 5'-tagacatggtgaacttctag-3'

**AXIN**

SEQ ID NO:192 5'-tggtggcgggaccccgggcc-3'

SEQ ID NO:193 5'-tgacacggccctgggggccc-3'

SEQ ID NO:194 5'-ctcgaacctcctcaaacc-3'

**cit-synt**

SEQ ID NO:195 5'-gccgcagtaagtaaagccat-3'

SEQ ID NO:196 5'-gttagagtcaatggcccca-3'

SEQ ID NO:197 5'-gctcatggacttgggccttt-3'

**ALDOC**

SEQ ID NO:198 5'-gagtgaggcatggtgacagc-3'

SEQ ID NO:199 5'-gtgaggcatggtgacagctc-3'

SEQ ID NO:200 5'-gaggcatggtgacagctccc-3'

**CKB**

SEQ ID NO:201 5'-gagaagggcatggcggcggc-3'

SEQ ID NO:202 5'-gaagggcatggcggcggcgg-3'

SEQ ID NO:203 5'-agggcatggcggcggcgggc-3'

**NRGN**

SEQ ID NO:204 5'-cagcagtccatgctggtgtc-3'

SEQ ID NO:205 5'-gcagtccatgctggtgtcgg-3'

SEQ ID NO:206 5'-agtccatgctggtgtcgggg-3'

**RAB3A**

SEQ ID NO:207 5'-gcggatgccatcttgccctg-3'

SEQ ID NO:208 5'-ggatgccatcttgccctgca-3'

SEQ ID NO:209 5'-atgccatcttgccctgcacc-3'

**PRDX3**

SEQ ID NO:210 5'-cgtcctacagcagccgcat-3'

SEQ ID NO:211 5'-accaaataatttccccttaaa-3'

SEQ ID NO:212 5'-cttctgaaagtactctttgg-3'

**SMN1**

SEQ ID NO:213 5'-ctcatcgccatagcaaacc-3'

SEQ ID NO:214 5'-catcgccatagcaaaccgc-3'

SEQ ID NO:215 5'-tcgccatagcaaaccgcgg-3'

**SFRS9**

SEQ ID NO:216 5'-cagcccgacatccgcaccgc-3'

SEQ ID NO:217 5'-gcccgacatccgcaccgccc-3'

SEQ ID NO:218 5'-ccgacatccgcaccgcccga-3'

**TFCP2**

SEQ ID NO:219 5'-gcccaggccatcctggctcc-3'

SEQ ID NO:220 5'-ccaggccatcctggctcctt-3'

SEQ ID NO:221 5'-aggccatcctggctccttcc-3'



#### **4F5S**

SEQ ID NO:222 5'-ccacgggccatgccgaccac-3'

SEQ ID NO:223 5'-acgggccatgccgaccacca-3'

SEQ ID NO:224 5'-gggccatgccgaccaccaac-3'

#### **Peptide Fragments**

##### **Of BAT3 Interactors:**

##### **GLYP**

SEQ ID NO:225 CSEKMALSTASDDRCWNGMA

SEQ ID NO:226 RGRYLPEVMGDGLANQINNP

SEQ ID NO:227 EVEVDITKPDMTIRQQIMQL

SEQ ID NO:228 KIMTNRLRSAYNGNDVDFQD

SEQ ID NO:229 TNRLRSAYNGNDVDFQDASD

SEQ ID NO:230

CSEKMALSTASDDRCWNGMARGRYLPEVMGDGLANQINNPEVEVDITKPD

SEQ ID NO:231

DGLANQINNPEVEVDITKPDMTIRQQIMQLKIMTNRLRSAYNGNDVDFQD

##### **LRP2**

SEQ ID NO:232 MDRGPAAVACTLLLALVACL

SEQ ID NO:233 GCAVVTCQQGYFKCQSEGQC

SEQ ID NO:234 IPSEYRCDHVRDCPDGADEN

SEQ ID NO:235 CNYPTCGGYQFTCPSGRCIY

SEQ ID NO:236 SDERQDCSQSTCSSHQITCS

SEQ ID NO:237

TLLLALVACLAPASGQECDSAHRFCGSGHCI PADWRCDGTKDCSDDADEI

SEQ ID NO:238

RDCPDGADENDCQYPTCEQLTCDNGACYNTSQKCDWKVDCRDSSDEINCT

##### **LRPAP1**

SEQ ID NO:239 RGLPALLLLLLFLGPWPAAS

SEQ ID NO:240 QLWEKAQRLHLPPVRLAELH

SEQ ID NO:241 KYGLDGKKDARQVTSNSLSG

SEQ ID NO:242 EKVHEYNVLLETLSRTEEIH

SEQ ID NO:243 VSHQGYSTEAEFEEPRVIDL

SEQ ID NO:244

AHEKLRHAESVGDGERVSRREKHALLGRTKELGYTVKKHLQDLSGRIS

SEQ ID NO:245

ARQVTSNSLSGTQEDGLDDPRLEKLWHKAKTSGKFSGEELDKLWREFLHH

**TTR**

SEQ ID NO:246 LLLCLAGLVFVSEAGPTGT  
SEQ ID NO:247 WEPFASGKTSESGELHGLTT  
SEQ ID NO:248 EEEFVEGIYKVEIDTKSYWK  
SEQ ID NO:249 ALGISPFHEHAEVVFTANDS  
SEQ ID NO:250 GPRRYTIAALLSPYSYSTTA  
SEQ ID NO:251  
LLCLAGLVFVSEAGPTGTGESKCPMLVKVLDVRGSPAINVAVHVFRKAA  
SEQ ID NO:252  
ESGELHGLTTEEEFVEGIYKVEIDTKSYWKALGISPFHEHAEVVFTANDS

**AP3D1**

SEQ ID NO:253 LESGDLSMSSIKVDGIRMSF  
SEQ ID NO:254 QNLLAKICFHHHFSVVERVD  
SEQ ID NO:255 SCASMYRSIQGHHVCLLVK  
SEQ ID NO:256 KGENSVSVDGKCSDESTLLSN  
SEQ ID NO:257 SDSTLLSNLLEEMKATLAKC  
SEQ ID NO:258  
NLLAKICFHHHFSVVERVDSCASMYRSIQGHHVCLLVKKGNSVSVDGK

**Of APBB1(710) Interactors:****PN7740**

SEQ ID NO:259 WDNFGIWDNRIDEPIILLPPS  
SEQ ID NO:260 LYFAVYDGHGGPAAADFCHT  
SEQ ID NO:261 ATLLTSGTTATVALLRDGIE  
SEQ ID NO:262 GGFVAWNSLGQPHVNGRLAM  
SEQ ID NO:263 NFMVNSQEICDFVNQCHDPN  
SEQ ID NO:264  
LLQDDRRVTPTCHSSTSEPRCSRFPDGS GPATWDNFGIWDNRIDEPI  
SEQ ID NO:265  
GQPHVNGRLAMTRSIGDLDLKTSGVIAEPETKRIKLHHADDSFLVLTTDG

**Of APBA1 Interactors:****GLUL**

SEQ ID NO:266 RTLDSEPKCVEELPEWNFDG  
SEQ ID NO:267 SSTLQSEGSNSDMYLVPAAM  
SEQ ID NO:268 MDMVSNQHPWFGMEQEYTLM  
SEQ ID NO:269 RACLYAGVKIAGTNAEVMPA  
SEQ ID NO:270 FPGPQGPYYCGVGADRAYGR  
SEQ ID NO:271  
LQSEGSNSDMYLVPAAMFRDPFRKDPNKLVLCEVFKYNRRPAETNLRHTC  
SEQ ID NO:272  
HPWFGMEQEYTLMGTDGHPFGWPSNGFPGPQGPYYCGVGADRAYGRDIVE

**KIAA0472**

SEQ ID NO:273 TTPQONKMDKLEILNSMR  
SEQ ID NO:274 AVSDRSFAFTAALKCDKMAL  
SEQ ID NO:275 LCEVFGTMRSTGEPFRVLV  
SEQ ID NO:276 EMMTELLASARDKMLCPSES  
SEQ ID NO:277 EVIELHANSWNPLTPPITQY  
SEQ ID NO:278  
FTAAKLCDKMALFMVEGTKFRSLLLNLQKDFTVREELQQQDVERWLGFI  
SEQ ID NO:279  
RSSTGEPFRVLVCPIYTCLELLQSQDVKEDAVLCCSMELQSTGRLLLEEQ

**Of PS1(467) Interactors:****APBA1**

SEQ ID NO:280 VRMMQAEAVSRIKMAQKLA  
SEQ ID NO:281 PLRTISYIADIGNIVVLAR  
SEQ ID NO:282 AQSIGQAFSVAYQEFLRANG  
SEQ ID NO:283 KQKGEILGVVIVESGWGSIL  
SEQ ID NO:284 TCQSIKGLKNQSRVKLNIV  
SEQ ID NO:285  
ADIGNIVVLMAARRMPRSNSQENVEASHPSQDGKRQYKMICHVFESDAQ  
SEQ ID NO:286  
GVVIVESGWGSILPTVIIANMMHGGPAEKSGKLNIGDQIMSINGTSLVGL

**PGAD**

SEQ ID NO:287 MAFANLRKVLISDSLDPCCR  
SEQ ID NO:288 QNLSKEELIAELQDCEGLIV  
SEQ ID NO:289 ADVINAAEKLQVVGRAGTGV  
SEQ ID NO:290 LVMNTPNGNSLSAAELTCGM  
SEQ ID NO:291 DEGALLRALQSGQCAGAALD  
SEQ ID NO:292  
QATASMKGDKWERKKFMGTENGLGILGLGRIGREVATRMQSFQMKTI  
SEQ ID NO:293  
SASFGVQQPLLEEIWPLCDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVV

**ETFB**

SEQ ID NO:294 TDGVKHSMPFCEIAVEEAV  
SEQ ID NO:295 VIAVSCGPAQCQETIRTALA  
SEQ ID NO:296 LLGKQAIDDDCNQTGQMTAG  
SEQ ID NO:297 VTADLRLNEPRYATLPNIMK  
SEQ ID NO:298 AERLGPLQVARVLAKLAEKE  
SEQ ID NO:299  
DDCNQTGQMTAGFLDWPQGTFFASQVTLEGDKLKVEREIDGGLETSLRLKLP  
SEQ ID NO:300  
PRYATLPNIMKAKKKKIEVIKPGDLGVDLTSLKLSVISVEDPPQRTAGVKV

**GAPD**

SEQ ID NO:301 GKVKVGVNGFGRIGRLVTRAAFNS  
SEQ ID NO:302 KAENGKLVINGNPITIFQERD  
SEQ ID NO:303 ISAPSADAPMFVMGVNHEKY  
SEQ ID NO:304 DNSLKIISNASCTTNCLAPL  
SEQ ID NO:305 AKVIHDNFGIVEGLMTTVHA  
SEQ ID NO:306  
FGRIGRLVTRAAFNSGKVDIVAINDPFIDLNYMVYMFQYDSTHGKFHGT  
SEQ ID NO:307  
NGNPITIFQERDPSKIKWGDAGAIEYVVESTGVFTTMEKAGAHLQGGAKRV

**FKBP25**

SEQ ID NO:308 VGVGKVIRGWDEALLTMSKG  
SEQ ID NO:309 EKARLEIEPEWAYGKKGQPD  
SEQ ID NO:310 DAKIPPAKLTFEVELVDID  
SEQ ID NO:311  
VIRGWDEALLTMSKGEKARLEIEPEWAYGKKGQPD  
AKIPPAKLTFEVEL

**RAB11A**

SEQ ID NO:312 LKELRDHADSNIIVIMLVGNK  
SEQ ID NO:313 SDLRHLRAVPTDEARAFAEK  
SEQ ID NO:314 NGLSFIETSALDSTNVEAAF  
SEQ ID NO:315 QTILTEIYRIVSQKQMSDRR  
SEQ ID NO:316 ENDMSPSNVVPPIHVPPTTE  
SEQ ID NO:317  
TILTEIYRIVSQKQMSDRRENDMSPSNVVPPIHVPPTTENKPKVQCCQNI  
SEQ ID NO:318  
LKELRDHADSNIIVIMLVGNKSDLRHLRAVPTDEARAFAEKNGLSFIETSA

**ENOA**

SEQ ID NO:319 ADLAGNSEVILPVPAFNVIN  
SEQ ID NO:320 AMRIGAEVYHNLKNVIKEY  
SEQ ID NO:321 KEGLELLKTAIGKAGYTDKV  
SEQ ID NO:322 VIGMDVAASEFFRSGKYDLD  
SEQ ID NO:323 KSFIDYPVVSIEDPFDQDD  
SEQ ID NO:324  
WQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTES  
SEQ ID NO:325  
QANGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQL

**TFCP2**

SEQ ID NO:326 QQQQQQQQKHEDGDSNGTF  
SEQ ID NO:327 NGTFFVYHAIYLEELTAVEL  
SEQ ID NO:328 TEKIAQLFSISPCQISQIYK  
SEQ ID NO:329 QGPTGIHVLISDEMIQNFQE  
SEQ ID NO:330 EACFILDITMKQETNDSYHII

SEQ ID NO:331  
QQQQQQQQKHEDGDSNGTFFVYHAIYLEELTAVELTEKIAQLFSISPCQ  
SEQ ID NO:332  
CQISQIYKQGPTGIHVLISDEMIQNFOEEACFILD TMKQETNDSYHIILK

**Of PS2(448) Interactors:**

**GAPD**

SEQ ID NO:333 GKVKVGVNGFGRIGRLVTRA  
SEQ ID NO:334 AINDPFIDLNYMVYMFQYDS  
SEQ ID NO:335 KAENGKLVINGNPITIFQER  
SEQ ID NO:336 ISAPSADAPMFVMGVNHEKY  
SEQ ID NO:337 ITATQKTVDGPSGKLWRDGR  
SEQ ID NO:338  
GNPITIFQERDPSKIKWGDAGAEYVVESTGVFTTMEKAGAH LQGGAKRVI  
SEQ ID NO:339  
MFVMGVNHEKYDNSLKIISNASCTTNCLAPLAKVIHDNFGIVEGLMTTVH

**Of CASK Interactors:**

**DMD(3685)**

SEQ ID NO:340 KLSIPQLSVTDYEIMEQRLG  
SEQ ID NO:341 EFEEIEGRWKKLSSQLVEHC  
SEQ ID NO:342 SEILKKQLKQCRLLVSDIQT  
SEQ ID NO:343 MCQQVYARKEALKGGLEKT  
SEQ ID NO:344 KRAKEEAQQKEAKVKLLTES  
SEQ ID NO:345  
VAQEALKKELETLTNYQWLCTRLNGKCKTLEE VWACWHELLSYLEKANK  
SEQ ID NO:346  
ADFVAFTNHFKQVFS DVQAREKELQTI FDTLPPMRYQETMSAIRTWVQQS

**Of CIB Interactors:**

**S1P**

SEQ ID NO:347 MKQALIASARRLPGVNMFEQ  
SEQ ID NO:348 QASLSPSYIDLTECPYMWPY  
SEQ ID NO:349 NGDNIEVAFSYSSVLWPWSG  
SEQ ID NO:350 EQTSTVKLPKVKI IPTPR  
SEQ ID NO:351 QGHGKLDLLRAYQILNSYKP  
SEQ ID NO:352  
IDLTECPYMWPYCSQPIYYGMPTVVNV TILNGMGVTGRIVDKPDWQPYL  
SEQ ID NO:353  
NGDNIEVAFSYSSVLWPWSGYLAISISVT KKAASWEGIAQGHVMITVASP

**ATPMB**

SEQ ID NO:354 ADDLTDPAPATTFAHLDATT  
SEQ ID NO:355 NIVGSEHYDVARGVQKILQD  
SEQ ID NO:356 YKSLQDIIAILGMDELSEED  
SEQ ID NO:357 KLTVSRARKIQRFLSQPFQV  
SEQ ID NO:358 VAEVFTGHMGKLVPLKETIK  
SEQ ID NO:359  
ADDLTDPAPATTFAHLDATTVLSRAIAELGIYPAVDPLDSTSRIMDPNIV  
SEQ ID NO:360  
ILGMDELSEEDKLTVSRARKIQRFLSQPFQVAEVFTGHMGKLVPLKETIK

**MAP3K10**

SEQ ID NO:361 EIDALAVAYGVAMNKLTLPI  
SEQ ID NO:362 EQSALFQMPLESFHSLQEDW  
SEQ ID NO:363 RREQELAEREMDIVERELHL  
SEQ ID NO:364 EHKITVQASPTLDRKKGSDG  
SEQ ID NO:365 SSSGGSGTWSRGGPPKKEEL  
SEQ ID NO:366  
LESFHSLQEDWKLEIQHMFDDLRTKEKELRSREEELLRAAQEQRFQEEQL  
SEQ ID NO:367  
PTLDRKKGSDGASPPASPSIIIRLRAIRLTPVDCGGSSSGSSSGSGTWS

**SCD**

SEQ ID NO:368 HHSFPYDYSASEYRWHINFN  
SEQ ID NO:369 TFFIDWMAALGLTYDRKKVS  
SEQ ID NO:370 SKAAILARIKRTGDGNYKSG  
SEQ ID NO:371 ASEYRWHINFNTFFIDWMAA  
SEQ ID NO:372 TYDRKKVSKAAILARIKRTG  
SEQ ID NO:373  
HHSFPYDYSASEYRWHINFNTFFIDWMAALGLTYDRKKVSKAAILARIKR  
SEQ ID NO:374  
ASEYRWHINFNTFFIDWMAALGLTYDRKKVSKAAILARIKRTGDGNYKSG

**Of APBA2 Interactors:****S1P**

SEQ ID NO:375 DTGGANIPALNELLSVWNMG  
SEQ ID NO:376 ANHDMYYASGCSIAKFPEDG  
SEQ ID NO:377 IVLYGDSNCLDDSHRQKDCF  
SEQ ID NO:378 EGNHLHRYSKVLEAHLGDPK  
SEQ ID NO:379 PLNETAPSNLWKHQKLLSID  
SEQ ID NO:380  
GCSIAKFPEDGVVITQTFKDQGLEVLKQETAVVENVPILGLYQIPAEGGG

SEQ ID NO:381  
DDSHRQKDCFWLLDALLQYTSYGVTPPSLSHSGNRQRPPSGAGSVTPERM

**PDE9A**

SEQ ID NO:382 CVHDNYRNNPFHNFRHCFCV  
SEQ ID NO:383 NTYQINARTELAVRYNDISP  
SEQ ID NO:384 LATDMARHAEIMDSFKEKME  
SEQ ID NO:385 LEEYFMQSDREKSEGLPVAP  
SEQ ID NO:386 QPLWESRDRYEELKRIDDAM  
SEQ ID NO:387  
NEMLSCLEHMYHDLGLVRDFSINPVTLRRWLCVHDNYRNNPFHNFRHCF  
SEQ ID NO:388  
DREKSEGLPVAPFMDRDKVTKATAQIGFIKFVLIPMFETVTKLFPMVEEI

**Of GASP Interactors:**

**PI4K**

SEQ ID NO:389 SELEKEGLRCRSDSEDECST  
SEQ ID NO:390 FKVGDDCRQDMLALQIIDLF  
SEQ ID NO:391 GRQTDFGMYDYFTRQYGDDES  
SEQ ID NO:392 GHIIHIDFGFMFESSPGGNL  
SEQ ID NO:393 PYMDAVVSLVTLMLDTGLPC  
SEQ ID NO:394  
YDYFTRQYGDESTLAFQQARYNFIRSMAAYSLLLFLLQIKDRHNGNIMLD  
SEQ ID NO:395  
FMFESSPGGNLGWEPDIKLTDEMVMIMGGKMEATPFKWFMEMCVRGYLAV

**5HT-2A**

SEQ ID NO:396 YSNDFNSGEANTSDAFNWTV  
SEQ ID NO:397 LSPSCLSLHLQEKNEWSALL  
SEQ ID NO:398 TAVVIILTIAGNILVIMAVS  
SEQ ID NO:399 LEKKLQONATNYFLMSLAIAD  
SEQ ID NO:400 LMSLAIADMLLGFLVMPVSM  
SEQ ID NO:401  
LYSNDFNSGEANTSDAFNWTVDSENRTNLSCEGCLSPSCLSLHLQEKNW  
SEQ ID NO:402  
ALLTAVVIILTIAGNILVIMAVSLEKKLQONATNYFLMSLAIADMLLGFLV

**Of KIAA0351 Interactors:**

**TRIO(2861)**

SEQ ID NO:403 VIHEVLHHQRHVRTIWQHRK  
SEQ ID NO:404 LHRARALQKRHEDFEEVAQN  
SEQ ID NO:405 VRRVEQRKILLDMSVSFHTH

SEQ ID NO:406 TLQVTNVVIKEGEDLIQQLR  
SEQ ID NO:407 ELFQERKIKLELFLHVRIFE  
SEQ ID NO:408  
QKRHEDFEEVAQNITYTNADKLLAEAEQLAQTGECDPEEIYQAAHQLEDRI  
SEQ ID NO:409  
KEGEDLIQQLRDSAISSNKTPHNSSINHETVLQQLDEAQSQMEELFQER

**Of BAX-beta Interactors:**

**KCNMA1**

SEQ ID NO:410 RILINPGNHLKIQEGTLGFF  
SEQ ID NO:411 IASDAKEVKRAFFYCKACHD  
SEQ ID NO:412 DITDPKRIKKCGCKRLEDEQ  
SEQ ID NO:413 PSTLSPKKKQRNGGMRNSPN  
SEQ ID NO:414 TSPKLMRHDPLLPNDQID  
SEQ ID NO:415  
IITELVNDTNVQFLDQDDDDPDTELYLTQPFACGTAFVSVLDSLMSAT  
SEQ ID NO:416  
VSILPGTPLSRADLRAVNINLCDMCVILSANQNNIDDTSLQDKECILASL

**Of FAK2 Interactors:**

**ABCC8**

SEQ ID NO:417 VVYYHNIETSNFPKLLIALL  
SEQ ID NO:418 MLLLEVNVRVRRYIFFKT  
SEQ ID NO:419 PREVKPPEDLQDLGVRFLQP  
SEQ ID NO:420 FVNLLSKGTYWWMNAFIKTA  
SEQ ID NO:421 HKKPIDLRAIGKLPIAMRAL  
SEQ ID NO:422  
VVYYHNIETSNFPKLLIALLVYWTAFITKTIKFVKFLDHAIGFSQLRFC  
SEQ ID NO:423  
RFLQPFVNLLSKGTYWWMNAFIKTAHKKPIDLRAIGKLPIAMRALTNYQR

**Of RAB11A Interactors:**

**FAK**

SEQ ID NO:424 EMEEDQRWLEKEERFLKPDVR  
SEQ ID NO:425 RGSIDREDGSLQGPIGNQHIYQPVG  
SEQ ID NO:426 GVKLQPQEISPPPTANLDRSNDKVY  
SEQ ID NO:427 LRTLLATVDETIPLLPASTHRE  
SEQ ID NO:428 LNSDLGELINKMKLAQQYVMTSLQ  
SEQ ID NO:429  
GSLQGPIGNQHIYQPVGKPDPAAPPKKPPRPGAPGHLGSLASLSSPADSY



SEQ ID NO:430  
PPPTANLDRSNDKVYENVVTGLVKAVIEMSSKIQPAPPEEYVPMVKEVGLA

**Of FAK Interactors:**

**CSNK2A2**

SEQ ID NO:431 IDLDPHFNDILGQHSRKRWE  
SEQ ID NO:432 NFIHSENRLVLSPEALDLLD  
SEQ ID NO:433 KLLRYDHQQRLTAKEAMEHP  
SEQ ID NO:434 YFYPVVKEQSQPCADNAVLS  
SEQ ID NO:435 EQSQPCADNAVLSGLTAAR  
SEQ ID NO:436  
IDLDPHFNDILGQHSRKRWENFIHSENRLVLSPEALDLLDKLLRYDHQQR  
SEQ ID NO:437  
LLDKLLRYDHQQRLTAKEAMEHPYFYPVVKEQSQPCADNAVLSGLTAAR

**GTM3**

SEQ ID NO:438 AHAI RLLLEFTDTSYEEKRY  
SEQ ID NO:439 YLLDGKNKITQSNAILRYIA  
SEQ ID NO:440 EKLKPQYLEELPGQLKQFSM  
SEQ ID NO:441 EKLKPQYLEELPGQLKQFSM  
SEQ ID NO:442 SMCKMPINNMAQWGNKPVC  
SEQ ID NO:443  
GKNKITQSNAILRYIARKHNMCGETEEEEKIRVDIIENQVMDFR TQLIRLC  
SEQ ID NO:444  
QYLEELPGQLKQFSMFLWKFSWFAGEKLTFVDFTYDILDQNRIFDPKCL

**Of BCR Interactors:**

**PSD95**

SEQ ID NO:445 LRVNDSILFVNEVDVREVTH  
SEQ ID NO:446 NEVDVREVTHSAAVEALKEA  
SEQ ID NO:447 QHIPGDNSIYVTKIIEGGAA  
SEQ ID NO:448 LKVAKPSNAYLSDSYAPPDI  
SEQ ID NO:449 PAEKVMEIKLIKGPGLGFS  
SEQ ID NO:450  
REVTHSAAVEALKEAGSIVRLYVMRRKPPAEKVMEIKLIKGPGLGFSIA  
SEQ ID NO:451  
IYVTKIIEGGAHKDGR LQIGDKILAVNSVGL EDVMHEDAVAALKNTYDV

**DLG3**

SEQ ID NO:452 STPKLNGSGPSWWPECTCTN  
SEQ ID NO:453 NGSDGMFKYEEIVLERGNSG  
SEQ ID NO:454 DCVLRVNEVEVSEVVHSRAV  
SEQ ID NO:455 FITKIIPGGAAAMDGR LGVN

SEQ ID NO:456 TSDMVYLKVAKPGSLHLNDM  
SEQ ID NO:457  
PPTRYSPIPRHMLAEEDFTREPRKII LHKGSTGLGFNIVGGEDGEGIFVS  
SEQ ID NO:458  
DLSGELRRGDRILSVNGVNLNRNATHEQAAAALKRAGQSVTIVAQYRPEEY

#### **SEMA4C (821)**

SEQ ID NO:459 LVLSLRRRLREELEKGAKAT  
SEQ ID NO:460 ATERTLVYPLELPKEPTSP  
SEQ ID NO:461 FRPCPEPDEKLWDPVGYYS  
SEQ ID NO:462 DGSLKIVPGHARCQPGGGPP  
SEQ ID NO:463 SPPPGIPGQPLPSPTLHLG  
SEQ ID NO:464  
SNANGYVRLQLGGEDRGGLGHPLPELADELRRKLQQRQPLPDSNPPEESSV  
SEQ ID NO:465  
YYYSDGSLKIVPGHARCQPGGGPPSPPPGIPGQPLPSPTLHLGGGRNSN

#### **HTF4**

SEQ ID NO:466 SFHRGSTSSSPYVAASHTPP  
SEQ ID NO:467 INGSDSILGTRGNAAGSSQT  
SEQ ID NO:468 GDALGKALASIYSPDHTSSS  
SEQ ID NO:469 FPSNPSTPVGSPSPLTGTSQ  
SEQ ID NO:470 WPRPGGQAPSSPSYENSLHS  
SEQ ID NO:471  
LQSRMEDRLDRLDDAIHVLNRNHAVGPSTSLPAGHSDIHSLLGPSHNAPIG  
SEQ ID NO:472  
GSLNSNYGGSSLVASSRSASMGVTHREDSVSLNGNHSVLSSTVTTSSDDL

#### **SRCAP**

SEQ ID NO:473 NILKKNQKRMLGDMAIEGG  
SEQ ID NO:474 NFFTAYFKQQTIRELFDMP  
SEQ ID NO:475 EEPSSSSVPSAPEEEEEETVA  
SEQ ID NO:476 SKQTHILEQALCRAEDEEDI  
SEQ ID NO:477 RAATQAKAEQVAELAEFNEN  
SEQ ID NO:478  
DGFPAGEGEEAGRPGAEDDEMSRAEQEIAALVEQLTPIERYAMKFLEASL  
SEQ ID NO:479  
AEQEIAALVEQLTPIERYAMKFLEASLEEVSRLEELKQAEQVEAARKDLD

#### **Of FKBP25 Interactors:**

#### **CIB**

SEQ ID NO:480 MGGSGSRLSKELLA EYQDLT  
SEQ ID NO:481 FLTKQEILLAHRRFCCELLPQ  
SEQ ID NO:482 EQRSVESSLRAQVPFEQILS  
SEQ ID NO:483 LPELKANPFKERICRVFSTS

SEQ ID NO:484 PAKDSLSEFEDFLDLLSVFSD  
SEQ ID NO:485  
TATPDIKSHYAFRIFDFDDDGTLNREDLSRLVNCLTGEGEDTRLSASEMK  
SEQ ID NO:486  
TRLSASEMKQLIDNILEESDIDRDGTINLSEFQHVISRSPDFASSFKIVL

**Of APP(695) Interactors:**

**BAT3**

SEQ ID NO:487 ADLQFSQLLGNLLGPAGPGA  
SEQ ID NO:488 PPPPPPPPAPEQQTMPPPGS  
SEQ ID NO:489 GSSESIAAFIQRLSGSSNIF  
SEQ ID NO:490 LQPQLRSFFHQHYLGGQEPT  
SEQ ID NO:491 FLQEQFNSIAAHVLHCTDSG  
SEQ ID NO:492  
QDIQSQRKVKPQPPLSDAYLSGMPAKRRKTMQGEQGPQLLLSEAVSRAAKA  
SEQ ID NO:493  
VSWLTMMGLRLQVVLEHMPVGPDAILRYVRRVGDPPQPLPEEPMEVQGA

**PTPZ**

SEQ ID NO:494 PNMVDNVNKLNASLQETSVS  
SEQ ID NO:495 ISSTKGMFPGSLAHTTTTKVF  
SEQ ID NO:496 KVFDHEISQVPENNFVSVQPT

**KIAA0351**

SEQ ID NO:497 IDSAYPASGSIMENEQRSNQ  
SEQ ID NO:498 MNNILRIIADLQVSCSYDHL  
SEQ ID NO:499 DLAGPSAGSGSARFSRRPTC  
SEQ ID NO:500 FPSEKARHLLDDSVLESRSP  
SEQ ID NO:501 LGSSESSEFSEEMSSGLESP  
SEQ ID NO:502  
CSLGNSAAVPTMEGPLRRKTLLKEGRKPALSSWTRYWVILSGSTLLYYGA  
SEQ ID NO:503  
HYKSTPGKKVSIVGWMVQLPDDPEHPDIFQLNNPDKGNVYKFQTGSRFHA

**PGD-synt**

SEQ ID NO:504 ALSMCKSVVAPATDGGLNLT  
SEQ ID NO:505 STFLRKNQCETRTMLLQPAG  
SEQ ID NO:506 SLGSYSYRSPHWGSTYSVSV  
SEQ ID NO:507 GRWFSAGLASNSSWLREKKA  
SEQ ID NO:508 VETDYDQYALLYSQGSKGPG  
SEQ ID NO:509  
MATHHTLWMGLALLGVLDLQAAPEAQVSVQPNFQQDKFLGRWFSAGLAS  
SEQ ID NO:510  
EDFRMATLYSRTQTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ

**Of ACHE(614) Interactors:**

**CAPN4**

SEQ ID NO:511 MFLVNSFLKGGGGGGGGGGG  
SEQ ID NO:512 GNVLGGLISGAGGGGGGGGGG  
SEQ ID NO:513 ILGGVISAISEAAAQYNPEP  
SEQ ID NO:514 ESEEVQRFRRLFAQLAGDDM  
SEQ ID NO:515 MNILNKVVTRHPDLKTDGFG  
SEQ ID NO:516  
IDTCRSMVAVMDSDTTGKLGFEFEKYLWNNIKRWQAIYKQFDTDRSGTIC  
SEQ ID NO:517  
GFHLNEHLYNMIIRRYSDESGNMDFDNFISCLVRLDAMFRAFKSLDKDGT

**KIAA0436**

SEQ ID NO:518 HVIEDSHKKITAQIKFLYEE  
SEQ ID NO:519 KPQHYPsiHITAYENDERVP  
SEQ ID NO:520 NSNPVLVRVTLTLEAPFLDVL  
SEQ ID NO:521 RGGGELGLQWHADGRLTKKL  
SEQ ID NO:522 SKDGKLVPMTVFHKTDSIDL  
SEQ ID NO:523  
ACGFIMDTNSDPKNCPPQLCSPIRPPKYTYKFAEGKLFEEtGHEDPITK  
SEQ ID NO:524  
MNWDLFFTMKRNTKVIDLDMFKDHCVLFLKHSNLLYVNVIGLADDSVRSL

**ALPEND**

SEQ ID NO:525 KEGILPERAEEAKLKAKYPS  
SEQ ID NO:526 LGQKPGGSDFLMKRLQKGQK  
SEQ ID NO:527 YFDSGDYNMAKAKMKNKQLP  
SEQ ID NO:528 SAGPDKNLVTGDHPTPQDL  
SEQ ID NO:529 DLPQRKSSLVTSKLAGGQVE  
SEQ ID NO:530  
KEGILPERAEEAKLKAKYPSLGQKPGGSDFLMKRLQKGQKYFDSGDYNMA

**GIPC**

SEQ ID NO:531 GSPTGRIEGFTNVKELYGKI  
SEQ ID NO:532 AEAFLRLPTAEVMFCTLNTHK  
SEQ ID NO:533 VMDKLLGGQIGLEDFIFAH  
SEQ ID NO:534 KEVEVFKSEDALGLTITDNG  
SEQ ID NO:535 AFIKRIKEGSVIDHIHLISV  
SEQ ID NO:536  
QSLLGCRHYEVARLLKELPRGRTFTLKLTEPRKAFDMISQRSAGGRPQSG  
SEQ ID NO:537  
ATVEDLPSAFEEKAIEKVDDLLESYMGIRDTELAATMVELGKDKRNPDEL

**CTNND2**

SEQ ID NO:538 LAAPQGGSPTKLQRGGSAPPE

SEQ ID NO:539 ATATLQRPGLAAGSRASYS  
 SEQ ID NO:540 RSLSQSQGVPLPPAHTGTYS  
 SEQ ID NO:541 ATFQRASYAAGPASNYADPY  
 SEQ ID NO:542 DNKIKAEIRRQGGIQLLVDL  
 SEQ ID NO:543  
 LWNLSLCDALKMPIIQDALAVLTNAVIIIPHSGWENSPLQDDRKIQLHSSQ  
 SEQ ID NO:544  
 SPGEEARRRMRECDGLTDALLYVIQSALGSSEIDSKTVENCVCILRNLSY

#### **Of CTNND2 Interactors:**

##### **GIPC**

SEQ ID NO:545 KKAPPLVENEEAEPRGGGLG  
 SEQ ID NO:546 GGGGSGGPQMGLPPPPPALR  
 SEQ ID NO:547 HGSPTGRIEGFTNVKELYGK  
 SEQ ID NO:548 TLNTHKVDMDKLLGGQIGLE  
 SEQ ID NO:549 SEDALGLTITDNGAGYAFIK  
 SEQ ID NO:550  
 NGQSLGCRHYEVARLLKELPRGRTFTLKLTEPRKAFDMISQRSAGGRPG  
 SEQ ID NO:551  
 RLRSRGPATVEDLPFAFEEKAIEKVDDLLESYMGIRDTELAATMVELGKD

##### **CLTC**

SEQ ID NO:552 AILYSKFKPQKMREHLELFW  
 SEQ ID NO:553 AAEQAHLWAEVFLYDKYEE  
 SEQ ID NO:554 HPTDAWKEGQFKDIITKVAN  
 SEQ ID NO:555 FKPLLLNDLLMVLSPRLDHT  
 SEQ ID NO:556 PYLRVQNHNNKSVNESLNN  
 SEQ ID NO:557  
 EKRECFGACLFTCYDLLRPDVVLETAWRHNIMDFAMPYFIQVMKEYLTKV  
 SEQ ID NO:558  
 KEEEQATETQPIVYGQPQLMLTAGPSVAVPPQAPFGYGYTAPPYGPQPG

##### **PKP2 (881)**

SEQ ID NO:559 GSRSRKVKEQYQDVPMPEEK  
 SEQ ID NO:560 SNPKGVEWLWHSIVIRMYLS  
 SEQ ID NO:561 LIAKSVRNYTQEASLGALQN  
 SEQ ID NO:562 LTAGSGPMPTSVAAQTVVQKE  
 SEQ ID NO:563 SGLQHTRKMLHVGDPVVKKT  
 SEQ ID NO:564  
 AISLLRNLSRNLSQLQNEIAKETLPDLVSIIPDTVPSTDLLIETTASACYT  
 SEQ ID NO:565  
 MPEEKSNPKGVEWLWHSIVIRMYLSLIAKSVRNYTQEASLGALQNLTAGS

**BCR**

SEQ ID NO:566 ALKAAFDVNNKDVSVMMSEM  
SEQ ID NO:567 DVNAIAGTLKLYFRELPEPL  
SEQ ID NO:568 FTDEFYPNFAEGIALSDPVA  
SEQ ID NO:569 KESCMLNLLLSLPEANLLTF  
SEQ ID NO:570 LFLLDHLKRVAEKEAVNKMS  
SEQ ID NO:571  
TFLFLLDHLKRVAEKEAVNKMSLHNLATVFGPTLLRPSEKESKLPANPSQ  
SEQ ID NO:572  
ALKAAFDVNNKDVSVMMSEMDVNAIAGTLKLYFRELPEPLFTDEFYPNFA

**14-3-3b(246)**

SEQ ID NO:573 SELVQKAKLAEQAERYDDMA  
SEQ ID NO:574 HELSNEERNLLSVAYKNVVG  
SEQ ID NO:575 WRVISSIEQKTERNEKKQQM  
SEQ ID NO:576 IEAELQDICNDVLELLDKYL  
SEQ ID NO:577 GLALNFSVFYYEILNSPEKA  
SEQ ID NO:578  
LKMKG DYFRYLSEVASGDNKQTTVSNSQQAYQEAFEISKEMQPTHPIRL  
SEQ ID NO:579  
CSLAKTAFDEAIAELDTLNEESYKDSTLIMQLLRDNLTLWTSENQGDG

**14-3-3z**

SEQ ID NO:580 MDKNELVQKAKLAEQAERYD  
SEQ ID NO:581 DMAACMKSVTEQGAELSNEE  
SEQ ID NO:582 RNLLSVAYKNVVGARRSSWR  
SEQ ID NO:583 IEQKTEGAEEKQQMAREYRE  
SEQ ID NO:584 CNDVLSLLEKFLIPNASQAE  
SEQ ID NO:585  
MKG DYRYRLAEVAAGDDKKGIVDQSQQAYQEAFEISKEMQPTHPIRLGL  
SEQ ID NO:586  
SPEKACSLAKTAFDEAIAELDTLSEESYKDSTLIMQLLRDNLTLWTSDTQ

**FAK2**

SEQ ID NO:587 PFFWLENKDVIGVLEKGDRL  
SEQ ID NO:588 PKPDLCPVLYTLMTRCWDY  
SEQ ID NO:589 CSLSDVYQMEKDIAMEQERN  
SEQ ID NO:590 RPPPQTNLLAPKLQFQVPEG  
SEQ ID NO:591 QMVEDYQWLRQEEKSLDPMV  
SEQ ID NO:592  
PEKEVGYLEFTGPPQKPPRLGAQSIQPTANLDRDLDVYLNVMELVRAVL  
SEQ ID NO:593  
PEGYVVVVKNVGLTLRKLIGSVDDLLPSLPSSSRTEIEGTQKLLNKDLAE

**EPS8**

SEQ ID NO:594 LFTPLNMVVQATGGPELASS  
SEQ ID NO:595 MGATMEQDLYQLAESVANVA

SEQ ID NO:596 NIYTRGSHLDQGEAAVAFKP  
SEQ ID NO:597 EILDDRKQWWKVRNASGDSG  
SEQ ID NO:598 PYHTTIQKQRMEYGPRPADT  
SEQ ID NO:599  
SSDSGGSIVRDSQRHKQLPVDRRKSQMEEVQDELIHRLTIGRSAAQKKFH  
SEQ ID NO:62 600  
ITYDSTPEDVKTWLQSKGFNPVTVNSLGVLNGAQLFSLNKDELRTVCPEG

#### **GASP**

SEQ ID NO:601 LLMEKIRDPFIHEISKIAMG  
SEQ ID NO:602 MRSASQFTRDFIRD SGVVSL  
SEQ ID NO:603 IETLLNYPSSRVRTSFLENM  
SEQ ID NO:604 IRMAPYPNLNIIQTYICKV  
SEQ ID NO:605 CEETLAYSVDSPEQLSGIRM  
SEQ ID NO:606  
LTTTTDYHTLVANYMSGFLSLLATGNAKTRFHVLMKLLNLSENLFMTKEL  
SEQ ID NO:607  
FIGLFNREETNDNIQIVLAI FENIGNNIKKETVFSDDDFNIEPLISAFHK

#### **Of SNCA(140) Interactors:**

##### **CTNND2**

SEQ ID NO:608 SRLAKSYSTSSPINIVVSSA  
SEQ ID NO:609 YSKHSQELYATATLQRP GSL  
SEQ ID NO:610 RSLSQSQGVPLPPAHTGTYR  
SEQ ID NO:611 SPYSKSGPALPPEGTLARSP  
SEQ ID NO:612 LRNLVYGKANDDNKIALKNC  
SEQ ID NO:613  
NLSSCDALKMPIIQDALAVLTNAVIIPHSGWENSPLODDRKIQLHSSQVL  
SEQ ID NO:614  
VSSPGEEARRRMRECDGLTDALLYVIQSALGSSEIDSKTVENCVCILRNL

#### **Of ERAB Interactors:**

##### **CTNND2**

SEQ ID NO:615 PINIVVSSAGLSPIRVTSPP  
SEQ ID NO:616 VHASEQYSKHSQELYATATL  
SEQ ID NO:617 SPGVDSVPLQRTGSQHGPQN  
SEQ ID NO:618 AAGPASNYADPYRQLQYCPS  
SEQ ID NO:619 IQMLQHQPFSVQSNAAYLQ  
SEQ ID NO:620  
SSCDALKMPIIQDALAVLTNAVIIPHSGWENSPLODDRKIQLHSSQVLRLN  
SEQ ID NO:621  
NVSSPGEEARRRMRECDGLTDALLYVIQSALGSSEIDSKTVENCVCILRN

### **Of Bcl2-alpha Interactors:**

#### **CTNND2**

SEQ ID NO:622 NVSSPGEEARRRMRECDGLT  
SEQ ID NO:623 QGQHMGTDDEL DGLLCGEANG  
SEQ ID NO:624 LWHPSIVKPYLTLLSECSNP  
SEQ ID NO:625 LRIDNDRVACAVATALRNMA  
SEQ ID NO:626 TAVCCTLHEVITKNMENAKA  
SEQ ID NO:627  
ISLKERKTDYECTGSNATYHGAKGEHTSRKDAMTAQNTGISTLYRNSYGA  
SEQ ID NO:628  
SAQPVPQEPSRKDYETYQPFQNSTRYNDESFEDQVHHRPPASEYTMHLG

### **Of AXIN Interactors:**

#### **cit-synt**

SEQ ID NO:629 MALLTAAARLLGTKNASCLV  
SEQ ID NO:630 LAARHASASSTNLKDILADL  
SEQ ID NO:631 IPKEQARIKTFRQQHGKTVV  
SEQ ID NO:632 GQITVDMMYGGMRGMKGLVY  
SEQ ID NO:633 ETSVLDPDEGIRFRGFSIPE  
SEQ ID NO:634  
GMKGLVYETSVLDPDEGIRFRGFSIPECQKLLPKAKGGEEPLPEGLFWLL  
SEQ ID NO:635  
MALLTAAARLLGTKNASCLVLAARHASASSTNLKDILADLIPKEQARIKT

#### **ALDOC**

SEQ ID NO:636 LAAVYKALSDHHVYLEGTLL  
SEQ ID NO:637 KPNMVTPGHACPIKYTPEEI  
SEQ ID NO:638 AMATVTALRRTVPPAVPGVT  
SEQ ID NO:639 FLSGGQSEEEASFNLNAINR  
SEQ ID NO:640 CPLPRPWALTFSYGRALQAS  
SEQ ID NO:641  
ALNAWRGQRDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAAQSLYI  
SEQ ID NO:642  
IKYTPEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASFNLNAINRCP

#### **CKB**

SEQ ID NO:643 VDNPGHPYIMTVGCVAGDEE  
SEQ ID NO:644 LDPNYVLSSRVRTGRSIRGF  
SEQ ID NO:645 EAEQQQLIDDHFLFDKPVSP  
SEQ ID NO:646 EDRHGGYKPSDEHKTDLNP  
SEQ ID NO:647 ARGIVHNDNKTFVLVWVNEED  
SEQ ID NO:648  
TRFCTGLTQIETLFSKDYEFMWNPHLGYILTCPSNLGTGLRAGVHIKLP



SEQ ID NO:649  
KHEKFSEVLKRLRLQKRGTTGGVDTAAVGGVFDVSNADRLGFSEVELVQMV

#### **NRGN**

SEQ ID NO:650 MDCCTENACSKPDDDILDIP  
SEQ ID NO:651 LDDPGANAAAAKIQASFRGH  
SEQ ID NO:652 MARKKIKSGERGRKGPGPGG  
SEQ ID NO:653  
AKIQASFRGHMARKKIKSGERGRKGPGPGGMARKKIKSGERGRKGPGPGG

#### **RAB3A**

SEQ ID NO:654 MASATDSRYGQKESSDQNF  
SEQ ID NO:655 YMFKILIIGNSSVGKTSFLF  
SEQ ID NO:656 RYADDSFTPAFVSTVGIDFK  
SEQ ID NO:657 VKTIYRNDKRIKLQIWDTAG  
SEQ ID NO:658 QERYRTITTAYYRGAMGFIL  
SEQ ID NO:659  
VKTIYRNDKRIKLQIWDTAGQERYRTITTAYYRGAMGFILMYDITNEESF  
SEQ ID NO:660  
TDSRYGQKESSDQNFDMFKILIIGNSSVGKTSFLFRYADDSFTPAFVST

#### **PRDX3**

SEQ ID NO: MAAVGRLLRASVARHVS  
SEQ ID NO:661 HAPAVTQHAPYFKGTAVVNG  
SEQ ID NO:662 EFHDVNCEVVAVSVDHFSH  
SEQ ID NO:663 LALRGLFIIDPNGVIKHLV  
SEQ ID NO:664 SPTIKPSPAASKEYFQKVNQ  
SEQ ID NO:665  
RASVARHVS  
SEQ ID NO:666  
EVVAVSVDSHFSHLAWINTPRKNGGLGHMNIALLSDLTKQISR  
DYGVLL

#### **SMN1**

SEQ ID NO:667 MAMSSGGSGGGVPEQEDSVL  
SEQ ID NO:668 KPKTTPKRKPAKKNKSQKKN  
SEQ ID NO:669 ETCVVVYTGYNREEQNLSD  
SEQ ID NO:670 DNIKPKSAPWNSFLPPPPM  
SEQ ID NO:671 PIIPPPPPICPDSLDDADAL  
SEQ ID NO:672  
YGNREEQNLSDLLSPICEVANNIEQNAQENENESQVSTDESENSRSPGNK  
SEQ ID NO:673  
KPKTTPKRKPAKKNKSQKKN  
TAA  
SLQQWKVGDKCSAIWSEDGCIYPATIA

#### **SFRS9**

SEQ ID NO:674 GETSYIRVYPERSTSYGYSR  
SEQ ID NO:675 SRSGSRGRDSPYQSRGSPHY  
SEQ ID NO:676 RDS  
PYQSRGSPHYFSPFRPY

**Of TFCP2 Interactors:**

**APP695**

SEQ ID NO:677 MLPGLALLLLAAWTARALEV  
SEQ ID NO:678 TCIDTKEGILQYCQEVYPEL  
SEQ ID NO:679 EFVSDALLVPDKCKFLHQER  
SEQ ID NO:680 GVEFVCCPLAEESDNVDSAD  
SEQ ID NO:681 NVDSADAEEDSDVWWGGAD  
SEQ ID NO:682  
QYCQEVYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVG  
SEQ ID NO:683  
PDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDYGMLLPCGIDKF

**4F5S**

SEQ ID NO:684 MARGNQRELARQKNMKKTQE  
SEQ ID NO:685 ISKGKRKEDSLTASQRKQRD  
SEQ ID NO:686 SEIMQEKQKAANEKKSMTQR  
SEQ ID NO:687  
MARGNQRELARQKNMKKTQEISKGKRKEDSLTASQRKQRDSEIMQEKQKA  
SEQ ID NO:688  
KNMKKTQEISKGKRKEDSLTASQRKQRDSEIMQEKQKAANEKKSMTREK

**PN7740 Peptide Inhibitors**

SEQ ID NO:689  
pqknvvthrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysqssastyvptvcngrevldsttssl

SEQ ID NO:690  
qknvvthrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysqssastyvptvcngre

SEQ ID NO:691  
Knvvthrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysqssastyvptvc

SEQ ID NO:692  
nvvtthrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysqssastyv

SEQ ID NO:693  
nvvtthrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysqss

SEQ ID NO:694  
thrlhl<sup>nr</sup>fsvs<sup>g</sup>tattysq

SEQ ID NO:695  
hrlhl<sup>nr</sup>fsvs<sup>g</sup>tattys